

Cell treatments

 Dylan A Reid  Fred H. Gage

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 An abbreviated version of this protocol was published in Science in Apr 2021

Incorporation of a nucleoside analog maps genome repair sites in postmitotic human neurons

DOI: 10.1126/science.abb9032

Detailed protocol

ESC-iNs are in a 6w format.

To treat cells, 100% of the media is exchanged for 2 mL of fresh NMM including 10 uM EdU at various other treatments (ex: 5 uM ETO, 10 uM PDS) listed in the paper.

Longer feeds (4 & 7 day) add 2 mL of NMM with 20 uM EdU on day 2, and subsequent EdU at 10 uM final concentration is added directly to the wells on day 4 and 6.

How to cite: (Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used)

1. Reid, D. A. and Gage, F. (2021). Cell treatments. Bio-protocol Preprint. bio-protocol.org/prep1012.
2. Reid, D. A., Reed, P. J., Schlachetzki, J. C. M., Nitulescu, I. I., Chou, G., Tsui, E. C., Jones, J. R., Chandran, S., Lu, A. T., McClain, C. A., Ooi, J. H., Wang, T., Lana, A. J., Linker, S. B., Ricciardulli, A. S., Lau, S., Schafer, S. T., Horvath, S., Dixon, J. R., Hah, N., Glass, C. K. and Gage, F. H. (2021). Incorporation of a nucleoside analog maps genome repair sites in postmitotic human neurons. Science 372(6537). DOI: [10.1126/science.abb9032](https://doi.org/10.1126/science.abb9032)

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